SHARP

SHARP IT REFERENCE GUIDE

VERSION 1.04

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IT MANAGERS: SIMPLIFYING YOUR LIFE

As an Information Technology professional, you are no doubt faced with a unique set of challenges that pull you in many different and often conflicting directions. For example, you are forced to do more with less—supporting disparate assets throughout the sprawling enterprise with maximum interoperability and minimal resources. Internal policies and government regulations impose strict requirements on protecting the confidentiality of your information. You also aspire to reduce the impact of your operations on the environment through reduced energy consumption and recycling.

At Sharp, we understand your goals and the issues that impede your ability to focus on strategic organizational objectives. From developing award-winning multi-function peripherals (MFPs) that deliver impressive document workflows to facilitating the administration of devices wherever you are, Sharp technology empowers productivity beyond compare. Our innovative Sharp OSA® platform helps your MFPs reach further into the organization and business processes and is supported by one of the largest developer networks in the industry. Sharp's security expertise is also among the most respected, having pioneered the first and most comprehensive solution for MFPs. Sharp is also a trusted leader in LCD technology, from our line of AQUOS BOARD™ Interactive Display Systems to ultra-slim bezel video wall monitors and high-brightness digital signage displays. And to help preserve the natural beauty of our environment, we have made a strong corporate-wide commitment to minimize the impact of Sharp products upon our planet.

SHARP'S COMMITMENT TO INNOVATION

For over 100 years, Sharp has been an innovator in electronics and office technology. From the Ever-Sharp pencil introduced in 1913 to a leader in the development of Liquid Crystal Displays and modern document technologies, Sharp's vision of quality and reliability is embodied in each and every product we deliver. Our award-winning MFPs are no exception. They provide sophisticated features and unparalleled reliability to dramatically improve document workflows and business processes throughout your entire organization.

From copying, printing, scanning and faxing, to securely interacting with other network resources and business applications, Sharp MFPs can help boost productivity and minimize costs. In addition to our cutting-edge document systems, Sharp offers an array of presentation products to further meet your business needs, including professional projectors, interactive touch-screen displays, digital signage solutions and video wall systems.

Sharp's close relationship with both our dealers and our customers is the foundation for our unique product development process. This collaborative approach allows Sharp to deliver unique products and technologies that provide innovative customizable solutions to real world business process challenges.

Security (CC) | Scan 2 | Sharp OSA | My Sharp | Pull-out Keyboard | A4 Scan Centric | Cloud Portal Office

History of Sharp Document Technology Innovation:

2001: Introduced the industry's first Common Criteria validated Data Security Kit

2004: Pioneered Scan2™ Technology or MFP Dual Head Document Feeder

2006: Launched Sharp OSA platform, the industry's first web-services platform

2006: Sharp Partner Program sets new industry benchmark for inclusiveness

2007: Introduced My Sharp™; customized support and training portal for end-users

2008: Introduced the market's first fully retractable keyboard as a standard feature of workgroup MFPs

2008: Introduced A4 MFPs that offered the same features as A3 models with a smaller footprint

2011: Introduced the industry's first cloud-enabled MFPs featuring Sharp OSA v4 technology

2011: Launched Cloud Ready Sharp OSA v4 technology

2012: Introduced the first in a series of Light Production MFP, with triple air-feed, full bleed printing and advanced finishing.

2012: Released Sharpdesk® mobile printing/scanning solutions for Windows®, Apple iOS and Google Android® devices

2014: Launched Cloud Portal Office, a comprehensive content management and collaboration service

Comprehensive Product Line

We offer an array of MFPs and Printers to address a broad range of business objectives. From our A3 and A4 workgroup MFPs to our light production MFPs, Sharp has continued to redefine the role and importance of document technology in the workplace by offering products that are easy to use, customizable and secure.

Ease-of-Use

Many other MFPs on the market have operation panels that require digging through layers of choices to find the features you need. Sharp MFPs offer a tablet-like user interface combined with the industry's first integrated retractable keyboard that provides intuitive control of even the most advanced functions. Yet another Sharp first is our Scan^{2}™ technology which enables single-pass, double-sided scanning for increased efficiency and enhanced system reliability.

Customization

The user interface can be customized with one-touch access to the functions, files or applications that are most important to the end-customer. The experience is fully personalized from the simple to the more complex, allowing you to add custom backgrounds and icons, change the display language and much more.

Another prime example of Sharp technology that enables a fully customizable experience is the Sharp OSA platform. The industry's first web-services development platform, now in its fourth generation, provides advanced customization capabilities to meet the unique needs of your business.

Security

Sharp's award-winning security suite provides peace of mind and protection for your confidential and intellectual property, whether you are copying, scanning or printing. Sharp's standard "end of lease" feature (on select models) digitally shreds any and all data on the MFP providing peace of mind when the MFP is returned to the leasing company.

SHARP'S DEDICATION TO SALES AND CUSTOMER SUPPORT

Nationwide Coverage

Your relationship with Sharp doesn't end after you purchase an MFP. To ensure the highest level of satisfaction and support, Sharp stands behind every product through its nationwide network of professionals that are eager to work with you and address your specific needs. With both local representation and national reach, Sharp Business Systems and the Sharp network of over 400 independent authorized dealers provide a very high level of service and support to customers throughout the United States.

We take pride in supporting the relationships forged by our direct sales team and local authorized dealers. These relationships help Sharp develop products that continually add value and help enhance productivity. The extensive network of authorized dealers also enables us to support large corporate installations with offices throughout a region or spanning the country. This combination of responsive local management and nationwide support delivers an outstanding experience for customers.

Online Support and Training with My Sharp

My Sharp, available 24/7, is a dedicated customized website providing how-to videos and PDF documents that demonstrate features of the customer's specific MFP devices.

With easy access right from the front panel of the MFP, users can find the information they need for scan, copy, print, fax, administrative functionalities and supplies replacement, helping to reduce downtime and enhance productivity.

ENVIRONMENTALLY-FRIENDLY

Responsible Approach to Product Design

All Sharp Document Systems utilize advanced micro-fine toner technology, which offers a lower consumption rate and produces less waste than conventional toners, resulting in longer replacement intervals. Sharp supplies are packaged using fully recyclable materials. Long-life consumable parts help minimize service intervals and down time, resulting in lower operating costs. With two different energy-saving modes, power can be reduced or shut off at set intervals. All Sharp document systems are ENERGY STAR® qualified and RoHS compliant to restrict the use of hazardous substances.

Toner Recycling Program

As part of our commitment to helping preserve the environment, Sharp offers our customers zero waste land fill recycling for all Sharp consumables, including cartridges, bottles, toner collection containers and drum units. Sharp encourages customers to recycle their used Sharp toner cartridges in bulk by providing a pre-paid Recycling Kit for their return to our facility. Visit www.sharpusa.com/recycle to learn more.

Sharp's Environmental Leadership

As a testament to our commitment to the environment, Sharp is a three-time winner of the ENERGY STAR annual Excellence in Energy Proficiency Product Design. Sharp is also a four-time winner of the SmartWay® Excellence Award, which recognizes companies for conserving energy and lowering greenhouse gas emissions in logistics and transportation. Sharp was also a previous recipient of the Excellence in Partnership Green Contractor Award and the Evergreen Award from the General Services Administration (GSA) and the Coalition for Government Procurement. These awards recognize environmentally responsible businesses and their efforts on recycling, waste reduction and affirmative procurement practices.

EXTENSIVE INTEROPERABILITY

Sharp understands that IT administrators must ensure MFP compatibility across complex networks of computers, devices, applications and platforms. Sharp MFPs are compatible across a broad spectrum of environments, further helping to ensure and maximize your investment in technology. From defining output settings to specifying finishing options, users are able to produce professional outcomes.

Supported Page Description Languages

All network capable Sharp MFPs support the PCL® page description language. PostScript® 3 and XPS are offered for environments that require these industry standards.

Microsoft® Windows® Support

Sharp drivers are compatible with the latest Microsoft® operating systems including Windows® 8 and Windows® 2012 Server operating systems. Additionally, many of Sharp's drivers have passed Microsoft's Windows Hardware Quality Labs (WHQL) testing for maximum compatibility and reliability.

Linux®, Mac® and UNIX® Support

Computers running on Linux, Mac and UNIX operating systems can also access the functionality of Sharp MFPs. To access these features, simply install the correct PostScript Printer Description (PPD) or PCL support file to deliver optimized printing.

Citrix®

The Citrix Ready® program ensures compatibility with Citrix product lines. As a member of this joint solution compatibility and verification testing program, Sharp tests drivers to ensure consistent printing from Sharp MFP and Printers in Citrix XenApp® environments.

Device Types

As a gold-level member of the SAP® Printer Vendor program, Sharp ensures compatibility of MFPs and printers with SAP solutions through updated device types. Device types are files that store printer information so that users can seamlessly access printer features such as paper tray selections, orientation, and duplex options directory from SAP.

SAP® Member
Printer Vendor Program

AS/400 Support

Sharp MFPs support printing from AS/400 through LPR (Line Printer Remote) printing or third party IPDS (Intelligent Print Data Stream) applications.

HP Output Server Support

Select Sharp MFPs are HP Output Server-certified, enabling IT managers to centrally control and manage print jobs, destinations and queues as well as easily create user and group privileges and preferences. With the ability to monitor print jobs on Sharp MFPs from the same consoles as other key IT resources, administrators can be alerted to potential problems and respond before productivity is impacted, minimizing costly downtime.

output server certified
hp invent

Healthcare EHR and EMR Application Compatibility

Sharp works closely with leading healthcare application providers to help deliver the next generation of electronic medical records systems that are dedicated to improving patient relations and quality care. Customers can seamlessly integrate their Sharp printers and MFPs on the network, including workgroup and color MFPs with leading solutions such as Epic®, Cerner Millennium® and McKesson® STAR™ Suite. With confidentiality and regulatory compliance in mind, Sharp offers comprehensive document and device security that are critical to today's healthcare environments.

McKESSON
Empowering Healthcare

CERNER
All Together

	Cerner® Millennium	McKesson® STAR Suite	MEDITECH® Magic OS *	EPIC® **
Mono - A3				
MX-M200D			✔	✔
AR-M257/M317	✔		✔	✔
MX-M260/M310		✔	✔	✔
MX-M364/M464/M564N			✔	✔
MX-M365N/M465N/M565N			✔	✔
MX-M283N/M363N/M453N/M503N	✔	✔	✔	✔
MX-M550/M620/M700	✔		✔	✔
MX-M623N/M753N	✔	✔	✔	✔
MX-M850/M950/M1100		✔	✔	✔
Color - A3				
MX-2310U	✔	✔	✔	✔
MX-2600N/3100N	✔	✔	✔	✔
MX-2610N/3110N/3610N	✔	✔	✔	✔
MX-2640N/3140N/3640N	✔	✔	✔	✔
MX-4100N/4101N/5001N	✔		✔	✔
MX-4110N/4111N/5110N/5111N	✔	✔	✔	✔
MX-5500N/6200N/7000N	✔	✔	✔	✔
MX-6201N/7001N	✔	✔	✔	✔
MX-4141N/5140N/5141N	✔		✔	✔
Mono - A4				
DX-B350P/B450P	✔	✔	✔	✔
MX-B400P	✔	✔	✔	✔
MX-B402SC	✔	✔	✔	✔
MX-B401	✔	✔	✔	✔
MX-B402	✔	✔	✔	✔
Color - A4				
MX-C400P	✔	✔	✔	✔
MX-C311/C401	✔	✔	✔	✔
MX-C402SC	✔	✔	✔	✔

* Sharp MFPs that support PCL5. PCL 5C or PCL 5e are compatible with MEDITECH Magic OS.
** Each Epic customer will have an employee trained as the Epic Technical Advisor. The Technical Advisor will approve print output device placements.

EFFORTLESS PRINTING

Printing is one of the most common everyday tasks at any type of organization. The challenge for IT managers is to deliver an efficient and flexible yet structured printing environment. Sharp ensures all phases of printing and document management are easy, both for IT managers and end-users.

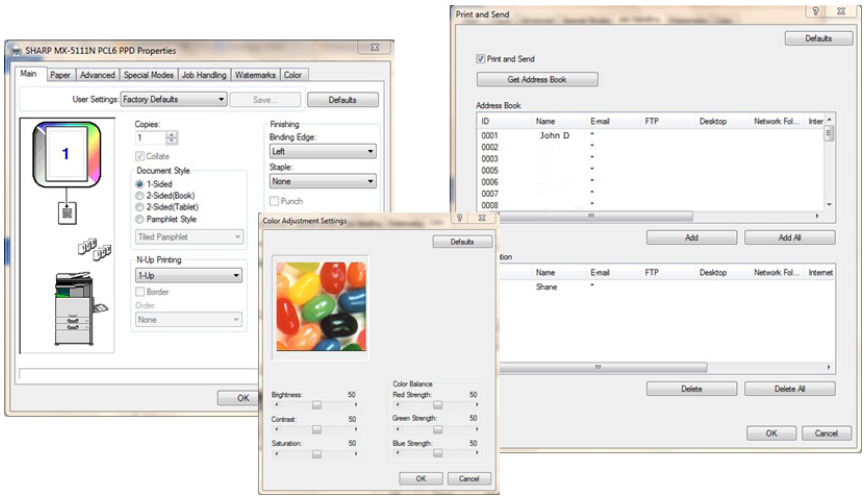
Sharp Print Driver

Sharp print drivers are seamlessly integrated with Microsoft Windows OS and their popular applications such as Microsoft Office® for a seamless printing experience. Specific features are available through a user friendly interface that helps meet each user's unique output requirements. Most Sharp drivers are Microsoft WHQL certified to deliver the best printing results.

Key features include, but are not limited to:

- Simplified **print settings and finishing selections** to minimize user support
- **Color management** options to meet each user's color output needs
- Print to **document filing** folders for convenient document retention and retrieval
- **Job retention** to reduce waste and protect information confidentiality via secured release with a PIN number
- **User authentication** to ensure only authorized users can access the device
- **Watermark** to help identify sensitive documents
- **Print and send** by sending the document to registered destinations on the device when document is printed.

Sharp PCL Windows Driver



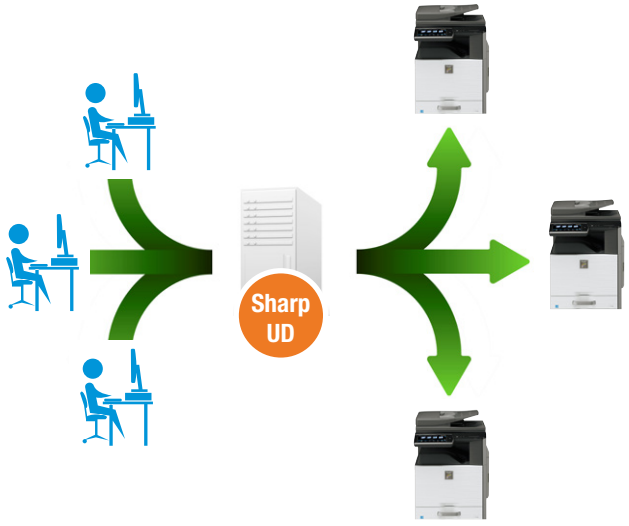
Sharp Universal Driver (Sharp UD)

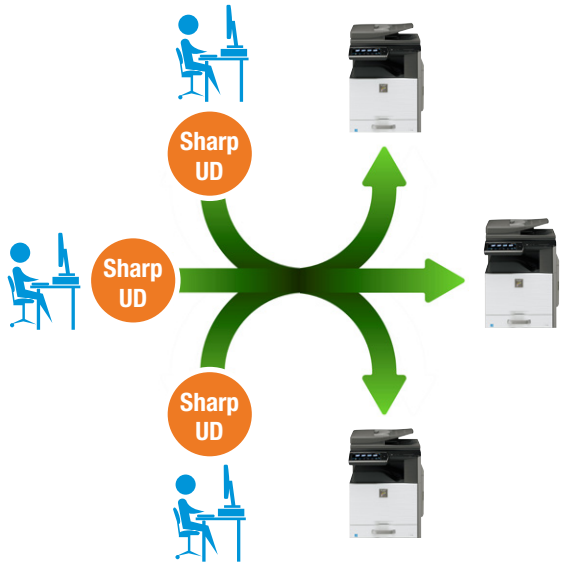
Sharp UD is designed to facilitate easy printer and print driver management for IT managers. With one driver providing a consistent printing experience for all end-users in the organization, the Sharp UD helps IT managers increase efficiency by simplifying support, management, installation and setup.

Key features include, but are not limited to:

- Quick **device discovery** to find Sharp MFPs on the network
- Versatile **finishing support** to maintain productivity with a convenience
- Simplified printing process through selectable **default printer**
- **Printer list** feature to always keep your favorite printers accessible
- **Color management** for an optimized output result
- Verified and trusted **Citrix Ready** print driver
- **Client-server** and **peer-to-peer print environment** for IT managers to provide flexible options in networking

Client-Server: Centrally managed by IT. Simplified printer management with one driver.





Peer to Peer: Improved user convenience with one driver for many printers.

EMPOWERED MOBILE COMMUNICATIONS

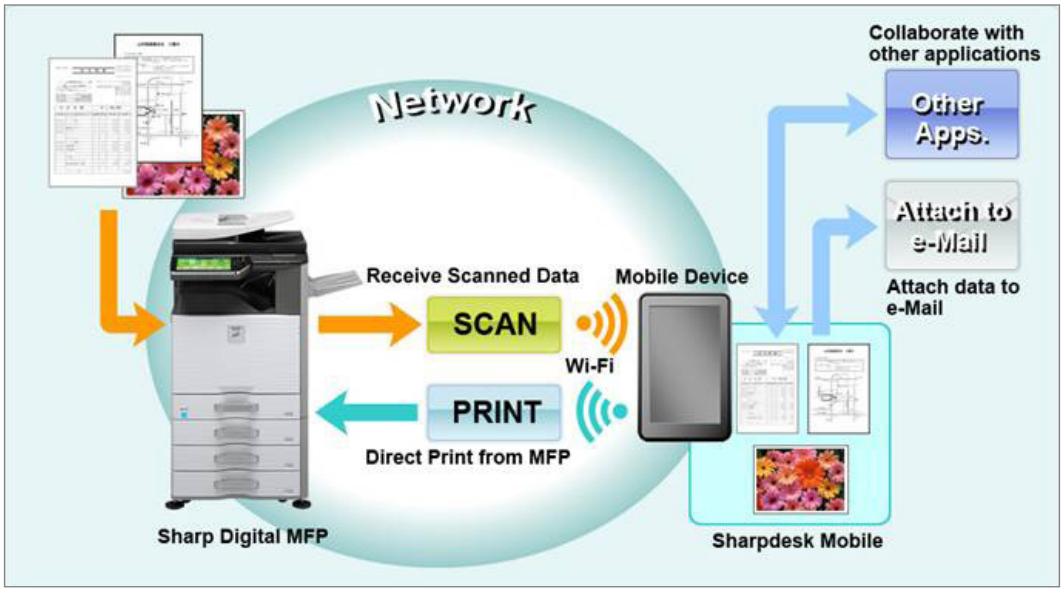
Highly featured smart phones and tablets are increasingly popular communication tools in the business world. According to research conducted by IDC, workers who communicate using mobile devices will account for 37% of the worldwide workforce and three-quarters of the workforce in the United States by 2015 (*Mobile Printing Landscape: Transition to Early Adopters*, August 2012). Recognizing such rapid adoption of mobile devices in the workplace, Sharp offers applications and options to seamlessly connect mobile workers with their daily business processes. Sharp approaches these solutions with IT professionals in mind, ensuring security and interoperability while maintaining productivity.

Mobile Printing and Scanning

Sharpdesk Mobile enables Windows® 8, Windows® RT, Apple® iOS® and Google® Android™ users to easily print documents from their smartphones or tablets to a Sharp MFP. Users can also scan hardcopy documents from a Sharp MFP directly to their mobile devices for flexible storage and sharing. Scanned files can be shared with other applications or sent as E-mail attachments. Sharpdesk Mobile is available at no cost on the Windows Store for Windows users, Apple App Store for iOS users or Google Play Store for Android users.

Key features include, but are not limited to:

- Print directly to select Sharp MFPs from Sharpdesk mobile applications
- Print from and send documents to other applications such as Evernote® and Dropbox®
- Print Web pages and E-mails
- Send documents to others via E-mail
- Store and manage scanned or imported files
- User authentication for printing and scanning to meet IT security measures and track user activities



Wireless LAN Connectivity

Transform your Sharp MFP into a wireless-enabled imaging product. Select Sharp MFPs and Printers are equipped with wireless LAN capability to help your organization maximize productivity among mobile users. Aligning with IT's security and wireless network policies, the following modes are available on select Sharp MFPs and printers:

- **Infrastructure Mode**
  Sharp MFPs installed in the corporate wireless network. Devices can be placed wherever a wireless network is available. Eliminating physical cables and hubs, it extends options where the devices are strategically located to improve accessibility to the unit.

- **Access Point Mode**
  This mode is ideal for organizations that adhere to a BYOD (Bring Your Own Device) model. Co-existing with a wired network, this mode will create an instant ad-hoc wireless network connecting mobile devices to printing resources. Segregated from corporate network, IT managers can prevent unwanted access to corporate resources while allowing mobile users to access basic printing and scanning. This enables convenient wireless usage without compromising the organization's security policy.

AirPrint™

Print web pages, photos, e-mail and more with AirPrint-enabled Sharp devices; there is no set up required, quickly print what you want it! AirPrint is Apple's printing technology that provides instant printing capabilities for iOS and OS X devices. Select Sharp MFPs and printers have built-in AirPrint technology enabling users to print from their iPad, iPhone and iPod touch or Mac devices without requiring a print driver.

USB Direct Printing and Scanning

Most Sharp MFPs allow users to scan and print directly to/from USB. This feature helps make it convenient for users to access the device by minimizing extra steps. For security-conscious organizations, this feature can be disabled to maintain compliance with the security policy and avoid misuse of the MFP.

EFFICIENT CLOUD COMPUTING

Why Cloud?

With the growing adoption of mobile devices in business, having access to documents virtually anywhere from any device becomes increasingly important. Software as a Service (SaaS) solutions help maximize productivity, and provide the ability to share and collaborate with team members regardless of location. Businesses are turning to the cloud so projects can remain on schedule.

Essentially Cloud Computing is using shared IT resources “on-demand” over the internet. It is very cost effective for businesses because it is highly scalable; you pay for what you need. Additionally there is lower burden on IT resources, no one has to install individual desktop clients, or purchase and maintain servers.

Cloud Portal Office

Cloud Portal Office is a comprehensive document management and collaboration software service for storing and sharing electronic files and scanned documents. Fully integrated with Sharp OSA-enabled MFPs and Sharp’s AQUOS BOARD Interactive Display Systems, Cloud Portal Office helps maximize workplace efficiency.

Cloud Portal Office includes a suite of software:

- Cloud Portal Office – Access and manage content from the Web
- Cloud Portal Office Desktop – Desktop Sync Client Software for Macintosh® and Microsoft® computers
- Cloud Portal Office Mobile – Mobile apps for Apple iPhones®/iPads® and Android phones/tablets
- Cloud Portal Office Meeting Room – AQUOS BOARD display connector
- Cloud Portal Office Scan/Print – Sharp OSA-enabled MFP Connector

Key Benefits of Cloud Portal Office:

- On the go access to business documents
- Enhanced productivity
- Connect and share files with remote teams
- Capture electronic files and hardcopy documents in a single repository
- Centralized administrative control over service access

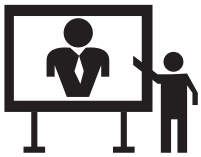
With the Cloud Portal Office suite, users can:

CONNECT virtually anywhere!

Access your business documents whether you are at the office, at home, at the airport etc. from your computer, tablet or smart phone. “On-the-go” access to your stuff allows you to stay connected so you can continue to work uninterrupted. Simply said it helps maximize the productivity of an increasingly mobile workforce.

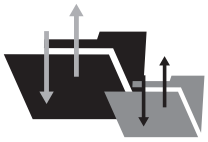
Share documents and COLLABORATE!

You can quickly share folders with individual Cloud Portal Office users or groups for collaborating on projects. This is especially useful when input from multiple people is needed in order to complete a project. Cloud Portal Office makes it easy to work together on a common goal.



CONFERENCE with Confidence!

Be a star in the conference room, no laptop required! Simply sign in and quickly access your meeting materials on your AQUOS BOARD display. Generate temporary guest credentials so meeting attendees can share their materials. And when you’re done, your content leaves with you.

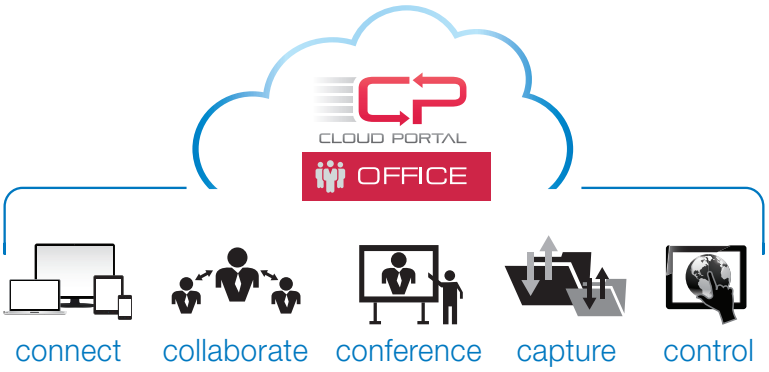


CAPTURE, index and store documents!

Scan and archive hardcopy documents directly from your Sharp OSA-enabled MFP to the same location as your digital files. Indexing makes it easy to retrieve those documents later either in the office or on the go. You can even print PDFs and image files directly from the MFP.

Maintain CONTROL of your business content!

Cloud Portal Office provides more granular control of stored content with enhanced folder sharing; you can set permissions by user or group to share as much or as little as you like. Built for business IT Administrators can control access, manage users, reset passwords and more.



Cloud Portal License Manager

Integral to Cloud Portal Office is the Cloud Portal License Manager. It provides a business with centralized control over licenses, users and devices. The License Manager provides an added level of control through an easy to use interface so you can quickly grant or restrict user access, making it easy for you to on/off-board employees; this greatly facilitates control of business content within the system.

CLOUD PORTAL
LICENSE MANAGER

SIMPLIFIED DOCUMENT WORKFLOW

Multi-function products are evolving to efficiently handle several complex tasks in one unit—copy, print, scan, fax, and more—helping organizations reduce costs and increase productivity. Factor in Sharp's award-winning user interface with these robust document management capabilities, and you've got a winning combination. Furthermore, a variety of Sharp software applications enhance the integrity of the paper document to electronic document processing.

Integrated Document Scanning and Sending

With Sharp's powerful ImageSend™ technology, you get one-touch access to features that allow users to efficiently communicate, collaborate, and manage documents. It also gives users the option to send scanned documents to the desktop, network folders (SMB), FTP folders, USB, E-mails, Fax, and Internet Fax. Select models also support convenient "Scan to Home" and "Scan to My E-mail" to maximize productivity while minimizing IT administration. All communications can be secured via SSL/TSL.

Customizable User Interface

Sharp's high resolution touch-screen display available on select Sharp MFPs offers the customization and ease-of-use your business needs to elevate office productivity to the next level. With the ability to change background screens, the layout and naming of the function keys, language display setting and more, you can easily set up instant access to user's document workflow. Whether your MFP requirements are simple or complex, Sharp MFPs can help you get the job done fast.

Sharpdesk® Desktop Document Management

Intuitive Sharpdesk personal document management software enables users to easily manage their documents and scanned files. The easy-to-use features help users organize, edit, OCR, and even combine scanned files for maximum productivity. The innovative search and index feature enables users to retrieve archived documents. Sharpdesk also supports “push” installation to multiple desktop PCs from a server, making it simple for IT managers to get new users up and running quickly.

Sharp OSA Network Scanner Tool (NST)

Along with Sharpdesk or without it, Sharp OSA Network Scanner Tool (NST) delivers quick access to scan and print workflow on the Sharp MFP through a personalized interface designed for each user. Create custom shortcut buttons on the Sharp MFP for direct access to your document workflow or browse your “My Document” folder or other preferred folders on your PC to scan the document to print from. Scanned documents can be “OCR’d” to create a searchable PDF, PDF/A or encrypted PDF to meet various document workflow needs. IT managers have complete control over which PCs can be accessed using the centrally-managed Sharp OSA NST administration console.

Sharp OSA NST-enabled user interface

Scan Profiles

Print Options

Sharpdesk Folders and Files

Partner Program Document Workflow Applications

The Sharp Partner Program community offers a broad selection of tightly integrated document management and workflow software. Whether your workflow is simple or complex, Sharp Partner Program Members can provide the right software to help to meet your needs and streamline your document processing. For more information on the products available from the program members please visit www.sharp-partners.com/validated.

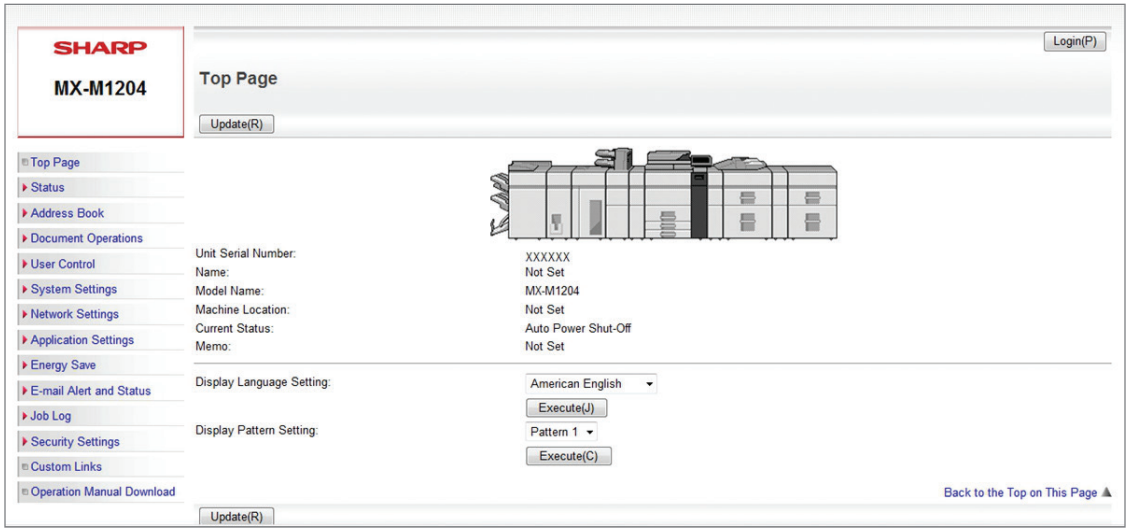
OPTIMUM DEVICE UPTIME

In today's business world, an immense amount of business information is still communicated on paper. This information must be printed, copied, and scanned as a part of the document process. As a result, uninterrupted uptime of MFPs and printers is important to keep up with the speed of business communications.

The Sharp device management suite delivers unparalleled control over the administration of Sharp MFPs through intelligent tools. All MFPs and printers in your network are effortlessly managed and monitored so that device uptime can be maximized to ensure the continuous flow of important business communications.

Sharp MFP Home Pages

The Sharp MFP Home Page is an embedded device configuration site that makes it easy for users and IT managers to administer the MFP through a standard web browser. Once authenticated, users can change their profiles and document filing folder settings, as well as maintain their one-touch address keys to quickly distribute scanned documents. From anywhere on the network, IT managers can log in and access the device's status, system, security and network settings, as well as maintain user accounts, specify diagnostic e-mail alerts, clone settings and more. Administrator access can be protected via complex password.



Sharp Remote Front Panel (RFP)

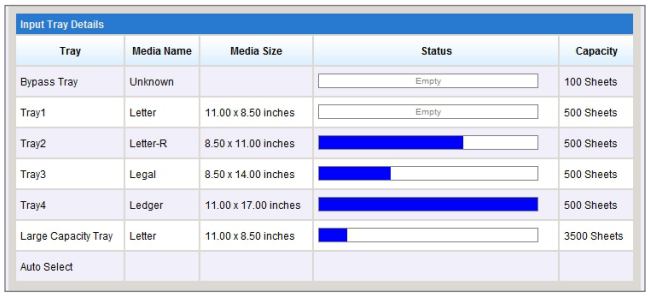
Sharp RFP is a powerful tool that enables users and support staff to remotely view the MFP's operation panel and control its features and functions from anywhere via a network. IT managers can see the same exact screen that the end user is viewing, allowing them to quickly understand issues and take the appropriate actions to solve them. Since IT managers can control the device remotely, this capability helps eliminate a trip to the device to support users, thereby reducing users' wait time.

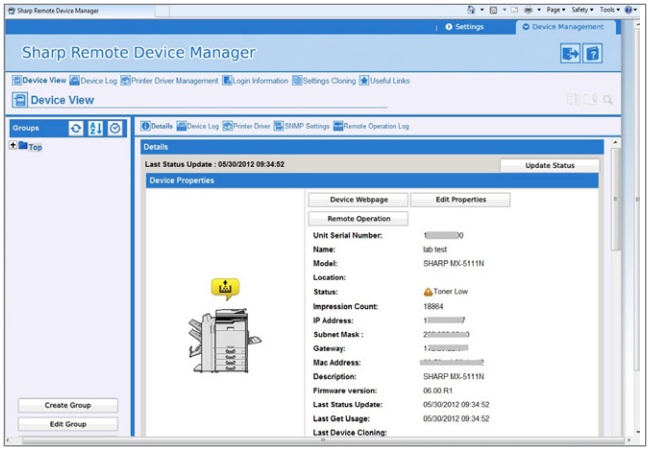
Sharp Remote Device Manager (SRDM)

SRDM is a device management and monitoring tool to facilitate centralized management of sharp MFPs and printers as well as SNMP-compliant printers. From the console, IT managers can view detailed information on each device, such as network connectivity, consumable levels and impression counts. The direct access to remote front panel enables support staff to view and control the LCD panel from anywhere on the network, as well as the ability to review service logs and update firmware. For more intuitive views, and to expedite trouble shooting, devices can be grouped together in the utility by model, department, location, network status, IP address and more. Rapid deployment of MFPs can also be accomplished by distributing print drivers to network clients and cloning the settings of a reference device to other similar models all at the click of a button. Toner level is monitored in 5% increments on select models.

Key features include but are not limited to:

- Manual or automated **device discovery**
- **Remote device monitoring** on status and consumables
- **Remote device security, network, and system configurations**
- **Remote access** to device's front panel to provide quick user assistance
- **Driver distribution** to reduce IT support time
- **Firmware updates** to minimize deployment time
- **Device setting and cloning** for fast device set up
- **E-mail notifications** to keep IT administrators aware of critical issues





Remote E-Mail Diagnostics

Putting timely and relevant information into the hands of key operators, IT managers and Sharp-authorized service providers is a breeze with Sharp Remote E-Mail Diagnostics. IT managers can easily configure event-driven or scheduled alerts such as low consumable levels, maintenance reminders or click counts, and specify the list of recipients for each. This helps bring attention where it is needed, when it is needed, for increased device availability and reduced costs.

Sharp Printer Status Monitor

The Sharp Printer Status Monitor is an easy-to-use utility that provides users with real-time information on each MFP on their desktop. Prior to sending a job, users can review the device's status, paper supply and toner levels. Information on the progress and completion of each user's print job, as well as preventive maintenance warning also increases device uptime.

SECURITY THROUGHOUT THE ORGANIZATION

As MFPs and printers become a part of an organization's integrated document workflows and business processes, security becomes a serious concern. Securely managing business and user data is critical for corporations to be successful but that can add greater complexity as they are associated with various sources and formats.

Sharp helps IT managers minimize such concerns and optimize security management by providing integrated security features.

Physical Security Threats

Typically, MFPs are located in areas accessible by multiple people. Unauthorized personnel can potentially access and enter corporate networks when devices are not fully protected. In addition, any information stored on a local desktop computer or a server accessible through the Local Area Network (LAN) can be printed without authorization. Meanwhile, at the device, confidential information can be accidentally or even purposely copied from stored documents, taken from the output tray or faxed without authorization.

Network Security Threats

Unsecured access to your company's stored data makes you vulnerable to having it stolen or altered. In the worst case, a user from the outside can obtain confidential information, unleash a Denial of Service (DOS) attack, or even place a virus on the device via the network or a phone line. Through a FAX line, or corporate LAN, communications could be intercepted or sent without permission anywhere in the world. Even MFP data stored on a hard disk drive or in memory could be compromised or stolen if not protected.

PROTECTING YOUR ASSETS FROM VULNERABILITY

The Leader in Digital Information Security

Sharp was the first to address security in digital imaging and received the first Common Criteria validation for an MFP in 2001. Since then, Sharp has been regarded as one of the industry's security innovators. Businesses and government agencies worldwide have come to depend on this level of assurance, which Sharp pioneered and for which it continues to set the benchmark.

The Sharp Security Suite

Sharp helps IT administrators and organizations achieve optimal document security through the Sharp Security Suite. The Sharp Security Suite is effective at helping prevent unauthorized access to your network and your most confidential information with safeguards that have been designed from the ground-up. Sharp MFPs utilize a multi-layered approach for protection—providing better control over the users, devices, ports, protocols and applications that access Sharp MFPs on your network.

Sharp Security Suite includes:

- Sharp MFP device standard security features
- Data Security Kit (Commercial version and Common Criteria Certified version)
- Print driver security features
- Sharp OSA technology-enabled security applications

Data and Information Security

Standard MFP security coupled with the optional Data Security Kit (DSK) protects and controls the major MFP systems and subsystems (print, copy, scan, fax jobs, network settings, memory components, local user interface). The Sharp data encryption method uses the Advanced Encryption Standard (AES) algorithm 256* bit on all data before it is written to RAM and the hard disk drive. It also provides overwriting routines for deleted data to ensure that all information is virtually irretrievable by unauthorized users.

Access Control Security

To limit unwanted access to each device, Sharp MFPs can utilize account codes, user/group profiles, passwords, or external user accounts contained in the local device address book or global user directory. All user credentials are transferred using a proven combination of Kerberos, Secure Socket Layer (SSL) or Digest-MD5 encryption to help avoid interception.

Network Security

Sharp MFPs feature an intelligent network interface that can limit access to specific computers on a network by IP or MAC address, and selectively enable or disable any protocol or service port on each device. All communications to and from the MFP can utilize SSL for secure transmission over the network, and most devices also support SMB, IPv6, IPSec, 802.1x and SNMPv3.

Fax Security

The architecture of Sharp MFPs provides a logical separation between the fax telephone line and LAN. It is, therefore, virtually impossible for attackers to gain access to the internal systems of the MFP or the local network. Additional security features are incorporated such as disabling broadcasting, allowing and rejecting reception from specific numbers, user authentication and more.

Document Security

Protection for sensitive documents can be assured through Sharp encrypted Adobe PDF files for scanning and printing, or access control and encryption using SSL protocols for scanning, printing, E-mail and setup.

Audit Trail Security

Sharp's granular audit trail and job log feature provides comprehensive auditing of all user activity. Certain federal regulations parameters, such as "to", "from", "when" and "file name" can be logged, reviewed and archived for conformance. In addition, various centralized audit trail solutions are available through Sharp Partner Program members.

* Encryption level is varies per model.

SHARP MFP SECURITY AT-A-GLANCE*

Data and Information Security	• Data overwrite (auto) • Data overwrite (manual)** • Data overwrite (at power up)** • Up to 7 times data overwrite • 256-bit AES data encryption • End-of-lease feature
Access Control Security	• User authentication (device local address book/LDAP) • User authentication (global address book) • Group authorization • Page limit control • Secured admin access to device home page • Admin and user password management • User authority setting • Management of currently logged in users • USB card reader support • CAC/PIV authentication capability** • Scan-to-home and Scan-to-me • Restrict list printing** • Disable destination selection • Disable address book registration • Receipt rejection from specified sender(s)
Network Security	• SSL/TSL encryption • Security policy management (HASH level setting) • SNMPv3 support • Kerberos support • SNMP community name support • IPv6 and IPSec • Device certificates • IP address filtering • MAC address filtering • Port control • IEEE802.1X™ authentication
Fax Security (Fax option required)	• Confidential fax • Segregated fax line from network connection • Prevention of junk fax
Document Security	• Secure print release with a PIN number • Encrypted PDF • Encrypted PDF lockout • Tracking information print • Hidden pattern print and detection** • Print release Sharp OSA-enabled applications (MX-SW100 or program partner applications) • Job status display only for logged on user • Secure pull print FTP/SMB
Audit Trail Security	• Job log and usage tracking • Reporting and data export in .csv and .xml • Advanced audit trail applications (Program partner applications)

* Based on security features of the MX-2640N/3140N/3640N.

** Data Security Kit (DSK) feature.

MEETING SECURITY STANDARDS AND CERTIFICATIONS

Security for Private Sector and Corporate Organizations

Sharp MFPs provide robust, complete control over information access, transmission and tracking to facilitate compliance with stringent mandates. This will mitigate risk and help avoid any penalties or lawsuits for noncompliance. By implementing the Sharp Security Suite, Sharp MFPs can help banks and investment institutions meet the privacy requirements of the Gramm-Leach-Bliley (GLB) Act. Insurance and healthcare providers can maintain Health Insurance Portability and Accountability Act (HIPAA) compliance with confidence. Businesses across all industries will benefit from the strict controls over financial information required under the Sarbanes-Oxley (SOX) Act.

Security for Public Sector and Government Organizations

Threats to government infrastructure are rapidly growing and the number of attacks continue to rise. On one hand, information sharing is critical for the efficiency of these organizations. On the other hand, security management is becoming more challenging for IT managers. Sharp can help your organization meet US government information security requirements through ISO 15408/Common Criteria certifications or features such as Common Access Card (CAC)/ Personal Identity Verification (PIV) authentication to maintain security clearance to protect classified data.

• Common Criteria (CC) and ISO 15408

ISO 15408 (International Standard Organization 15408) refers to a set of evaluation standards for security products and systems established by the Common Criteria program. It provides a high level of confidence in the security functions of the products evaluated.

• IPV6/IPSec

IPV6 and IPSec protocols are the secure expansion of the IPv4 protocol. To comply with Federal Government and Department of Defense requirements to support the transition to IPV6, most Sharp MFPs support the IPV6/IPSec Protocols.

• CAC/PIV Card Support

Homeland Security Presidential Directive (HSPD)-12 set in place a program requiring positive ID for federal government organizations. Sharp MFPs with CAC or PIV cards help control access to government network resources. Select Sharp MFPs with scanning and network capabilities support government ID security requirements through embedded and external options, supporting secure network access with FIPS-201 compliant cards.

INTEGRATED BUSINESS PROCESSES

Sharp OSA Technology Enables Integration, Customization, and Personalization with Enhanced Security

Sharp OSA technology is a software development platform for Sharp MFPs. It is based on industry standard web-services/web API technology and delivers integrated and customized interfaces which help streamline your business processes. Sharp OSA technology can transform your MFP into a powerful information portal—today and into the future—providing fast and extended access to mission critical business information while your IT network and security policies are maintained.

Sharp OSA Technology for Your Organization

Sharp OSA technology can help employees at every level of your organization by optimizing investment, reducing costs, enhancing productivity, and simplifying IT management:

Business Owners, CEOs, COOs, and CFOs

- Optimized investments in imaging systems
  - o Extended Sharp product capability
  - o Improved employee performance
  - o Compliance with industry regulations
  - o Overall cost reductions through improved efficiency

End-Users and Business Process Owners

- Instant productivity through engaging interfaces
  - o Intuitive and easy-to-use graphical user interface
  - o Simplified steps to process documents faster and more easily
  - o Minimized redundant tasks
  - o Seamlessly integrated daily document workflow

IT Managers and Administrators

- Integrated document and information security
  - o Improved access to user management and usage tracking
  - o Integrated corporate IT assets and security policies
  - o MFP user authentication with corporate ID cards

- Simplified IT Management and Support
  - o Simplified solution deployment and management through central management
  - o Reduced user errors through simplified and intuitive user interface

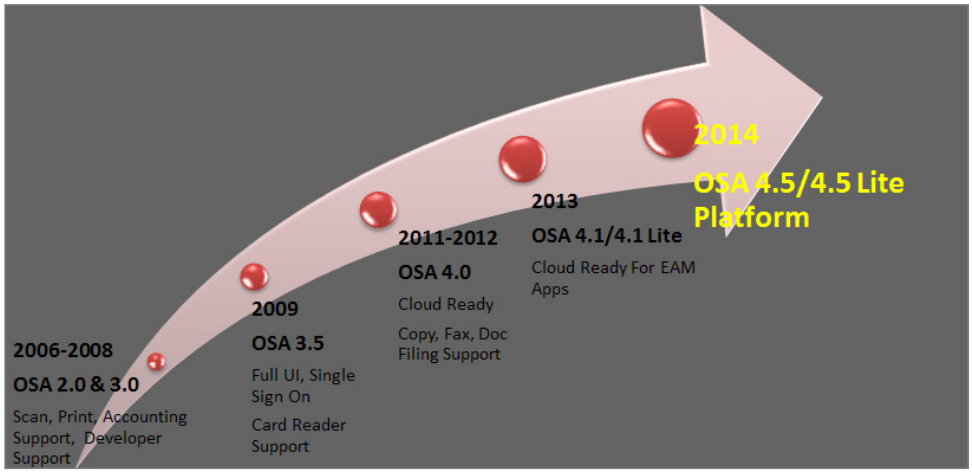
Application Developers and System Integrators

- Extensive Support and Resources to Accelerate Development
  - o One of the strongest programs and developer networks in the industry
  - o Variety of resource availability, including MFP simulator, documentation, developer hotline, and more

- Streamlined Development
  - o Wide range of programming languages supported on web-services/web API and browser-based platform

Industry Leader in Web-Services/Web API Based MFP Technology Platform

Sharp pioneered the first web services-based MFP technology platform. Since the birth of Sharp OSA technology, Sharp has been playing an important role in creating the industry's eco-system. Developing strong connections among independent software vendors, solution providers, and IT customers, Sharp has been helping organizations become more competitive in the marketplace.



Cloud-Ready Platform for Intelligent IT Decision Making

The 4th generation Sharp OSA technology is cloud ready, enabling your IT department to make intelligent and informed decisions when it comes to solution deployment. Sharp OSA technology architecture supports Software as a Service (SaaS) or cloud–enabled environments by efficiently assisting communications involving intermediaries such as firewalls. Enabling secure and scalable communications, Sharp OSA cloud-ready technology further expands flexibility in how the document workflow and security solutions are implemented.

Sharp OSA SDK and License Types

The Sharp OSA Software Development Kits (SDKs) are designed to meet practically every development objective and business need. The following modules enable Sharp OSA technology on the device. Select MFP models include these modules as standard.

- **MX-AMX2 Application Communication Module (ACM)**
  Allows Sharp OSA applications to control jobs and functions of Scan, Print, Copy, and Fax

- **MX-AMX3 External Accounting Module (EAM)**
  Allows Sharp OSA applications to control accounting features

Types of Sharp OSA SDK

Platform	Standard Sharp OSA SDK (Supported on all Sharp OSA versions)	Extended Sharp OSA SDK (Available on Sharp OSA 4.0 & 4.1/4.1 Lite, 4.5/4.5 Lite Platform)
Functions	• On-Premise Communication Support • UI Customization • Job Control - Scan - Print • EAM Account Control • USB Device Control	• Cloud/SaaS On-Premise Communication Support • UI Customization • Job Control - Scan - Print - Copy - Fax - Internet Fax - Document Filing • EAM Account Control (Sharp OSA 4.1/4.1 Lite, 4.5/4.5 Lite Platform) • USB Device Control

LEVERAGING THE SHARP OSA ECOSYSTEM

Engagement with new technologies brings corporations opportunities to perform better. The Sharp OSA platform encourages adoption of such new applications and systems, helping organizations to be competitive and innovative.

Here are three ways to take advantage of the Sharp OSA technology:

Sharp Partner Program Member's Applications

With over 200 members, Sharp offers the industry's most robust developer community. Sharp OSA-enabled applications developed by program members are available through dealers and software vendors. The offering includes a wide selection of applications in the areas of security, document management, printing, fax, and more.

Custom Development

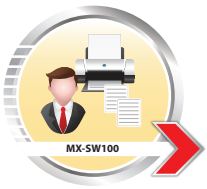
The Sharp Developer Program is not only for Sharp service providers and Independent Software Vendors. Sharp customers can join and take advantage of development of integrated Sharp OSA applications. You can design solutions tailored precisely to meet your organization's unique requirements.

Sharp Developed Applications

A suite of Sharp developed applications is available through Sharp authorized dealers who enrolled in the Authorized Integrator Program (AIP). These applications are centrally managed, simplifying IT administration tasks. Most AIP applications are designed to complement most popular Microsoft® environments.

Authorized Integrator Program (AIP) Applications

Through a strong partnership with our service providers, Sharp delivers applications that expand Sharp MFP features enhanced by Sharp OSA technology. The following applications are available through Sharp authorized dealers who enrolled in the AIP program. Sharp's AIP program is designed to recognize the Sharp authorized dealers who are committed to leveraging the full spectrum of flexibility and customization inherent in Sharp OSA technology to better meet their customer's requirements.



MX-SW100 Print Release Software

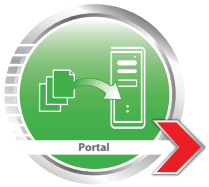
The MX-SW100 software is an ideal tool for workgroups in any organization seeking to balance the often-conflicting demands for increased security, user convenience, and cost reduction. MX-SW100 print release software is a low-cost and user-friendly solution. Integrating with Microsoft Active Directory® or local database, it is designed for IT administrators to implement a print release solution throughout the organization.

E-Mail Connector

The E-Mail Connector on the Sharp OSA-enabled MFP provides authenticated users with access to all the features normally associated with Microsoft® Outlook®, such as global address book, personal address book and E-mail body. Sent E-mail is signed by the logged-in user and scanned E-mails appear in the sender's "sent messages" folder.

MyFolder Connector

With the MyFolder Connector, your Sharp MFP now becomes a convenient way to scan and save routine hardcopy documents to any network share. Seamless integration to Microsoft Active Directory networks provides authenticated users with access to their home folder as well as shared network folders right from the Sharp OSA-enabled MFP's control panel.

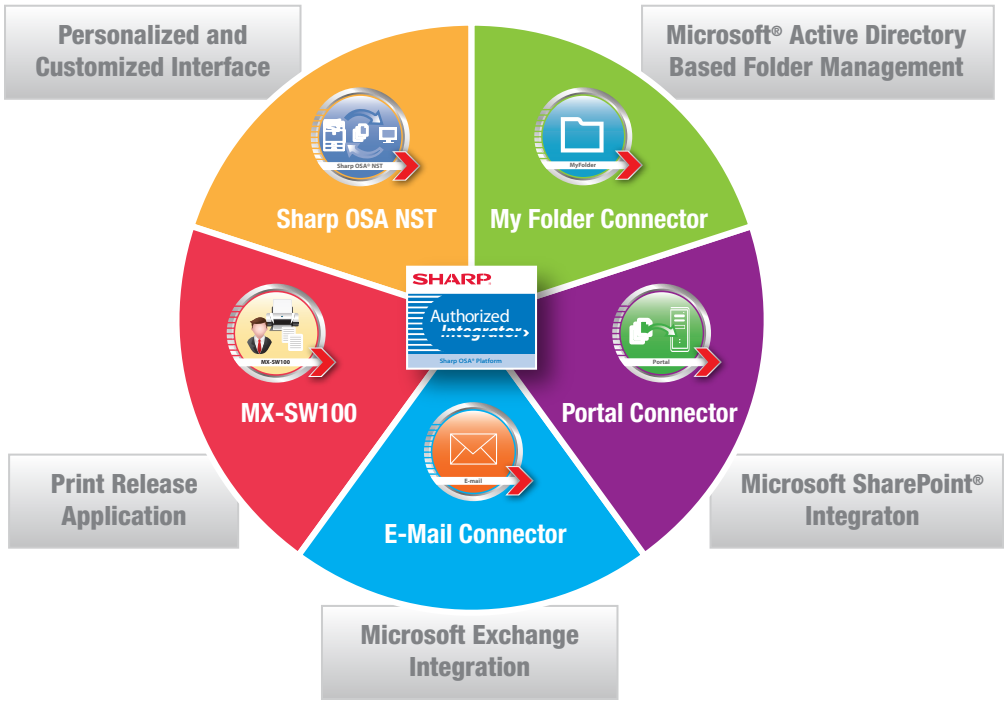


Portal Connector

With the Portal Connector, Sharp MFPs provide seamless integration with the Microsoft SharePoint® server, enabling users to upload scans of hardcopy documents and enter keywords right from the MFP. Users can also browse SharePoint document libraries at the MFP and select where to store scanned documents.

Sharp OSA Network Scanner Tool (NST) (90 day trial)

Sharp OSA NST delivers a personalized and customized scanning and printing interface. A 90-day trial version is available through AIP dealers.



ALIGN WITH TECHNOLOGY LEADERS

Sharp is committed to meeting the ever-changing demands of the market and has fostered an active and extensive Sharp OSA Developer community whose products help add value and functionality to our award-winning MFPs. As one of the most inclusive in the industry, membership in the Sharp Partner Program is open to qualified software and hardware vendors, authorized dealers, and Sharp customers.

SHARP PARTNER PROGRAM

Working with Sharp technology, including the Sharp OSA platform, Sharp Partner Program members are able to deliver highly customized solutions that enable MFPs to reach deeper into the organization than ever before. They are also able to develop unique and engaging user interfaces on the LCD display that help facilitate operation and can help increase workflow productivity. Customers can choose to leverage an existing Sharp OSA-developed application or they can join the program to develop their own custom integrations.

All members of the Sharp Partner Program, Sharp OSA Developers and companies with compatible applications, are given the option to join the Marketing Program to have their products validated by Sharp and gain access to joint marketing tools. There are two types of validation:

Sharp OSA Validation

Sharp OSA Validation tests the Developer's application against a set of criteria to help ensure that the connection between Sharp OSA-enabled MFPs and the Developer's application works as specified. Upon successful completion of testing, the integration earns the recognition of being Sharp OSA Validated and is promoted with the use of the Sharp OSA Validation icon, providing you with assurance of successful operation on the supported Sharp OSA-capable MFPs.

Sharp Compatible Validation

In addition to developers of Sharp OSA applications, the Sharp Marketing Program is also open to qualified software and hardware vendors with products complementary to Sharp MFPs. To qualify, Vendors must submit their product for Sharp Compatible validation. Once validated, the compatible product is promoted with a unique Sharp Compatible Validation icon, providing confidence that they will work with supported Sharp MFPs.

VALIDATED PROGRAM MEMBER PRODUCTS*

ACDI

ACDI is a manufacturer of superior copy and print control devices. The EX2000SWB Vending System copy and print control device allows users to make copies via coins, bills, cards, and/or PIN accounts. It provides payment options with optimum reportability. In addition, it allows organizations the option to charge multiple price lines for color, B&W, and premium paper sizes. You can track all meter usage through comprehensive reports that make reconciling easy.

BITS

Formed in 1990, Business I.T. Systems Ltd. has developed a number of innovative software solutions designed to bring productivity gains to digital and networked environments. The Callisto™ Managed Scan application allows users to scan or print to and from back office applications at the MFP using a choice of different “DataLinks”. One such DataLink is Managed Print Release which allows users to print documents to a central print queue, then walk up to any Sharp OSA-enabled MFP and print. They are also the makers of Metis which is designed to report meter click information either collected automatically from the e-mail server or entered manually (for those machines that do not have the e-mail capability). Reports can be printed in a variety of formats giving the flexibility to record the required information. From the reports users can be billed for their prints and copies giving the ability to recharge the cost.

Docstar

With over 5000 customers, docSTAR is a leader in integrated document management solutions. The integrated MFP-Link solution dramatically simplifies the scanning and filing of documents on Sharp OSA-enabled MFPs. Powered by the Autostore framework and docSTAR’s intelligent routing, the MFP-Link enables capturing and indexing documents directly from the Sharp MFP. Electronic filing is now easier, faster, and smarter.

Docuware

Founded in 1988, DocuWare ranks among the worldwide leading integrated document management software companies. The DocuWare application automates business processes by easily and securely managing any type of document, regardless of format or source, in a central document pool with authorized access - worldwide.

* Visit sharpusa.com/partners for the most recent product version validated and the list of supported MFPs.

= *Validated Sharp OSA Integration Module*

= *Validated Sharp Compatible Product*

DPD International

DPD International, maker of GoldFax™ software, is a leader in Windows network Fax Server solutions providing affordable prices for small, medium, and Fortune 1000 organizations worldwide. The GoldFax™ application, built on Microsoft .NET™ technology, integrates Sharp OSA-enabled MFPs into enterprise-class Fax Server solutions at a small business price.

Drivve

Drivve's powerful solutions support the entire document life cycle and are seamlessly integrated with the control panel of Sharp OSA-enabled MFPs. Drivve | Image is a document capture & routing solution that allows users to quickly and easily capture paper documents and their metadata for ongoing processing from the MFP control panel. Drivve | DM is an award-winning document management and workflow solution that can help you securely index, share, find, process and control digital documents. Drivve | Print is an office print and cost recovery solution with modules for mobile printing, device authentication, pull printing and usage tracking/reporting.

ECI

ECI is a leading provider of business management and e-commerce systems software for growing and midsize companies. ECI software provides advanced technology for both network and local device data collection, TCO analysis, automated meter billing integration (e-automate, OMD, LaCrosse) and supply and service alert filtering and workflows. FMAudit software can be remotely installed, maintained and updated. FMAudit Enterprise is a comprehensive software solution for Managed Print and business process automation.

Faxcore

Leveraging more than 15 years of fax server industry experience, FaxCore Inc. is a leading provider of fax server solutions. FaxCore™ is a fax server built on the Microsoft. NET® platform. Fax-enable Sharp OSA-enabled MFPs, E-mail servers and other business applications easily and seamlessly. FaxCore's web interface allows for browser-based faxing anywhere anytime and the appliance approach is easy to sell and support.

Imagine IT Software

Imagine IT Software Corp was formed in 2008 from a copier Dealer's needs to collect data from MFPs and printers in a more cost effective way. Fleet Control Center is a low cost, high feature product, designed to receive and process Sharp's Remote E-mail Diagnostics (R.E.D). The Fleet Control Center software collects the meters for copy, print, fax and scan by E-mail or SNMP analyzer. Monitor, track, compile, bill and report on valuable data that your Sharp MFPs are communicating daily. Assure Scan is a digital scanning solution that automatically loads the Sharp OSA-enabled MFP with the batch number via our Web portal for scanning with 99% accuracy.

= Validated Sharp OSA Integration Module

= Validated Sharp Compatible Product

Infodynamics

InfoDynamics is the innovator of inPOINT and Intact Document Solution Software. inPOINT supercharges your Sharpdesk® software or Network File System with auto-naming and filing of scanned documents, and can query existing databases to help eliminate 90% of data entry and make renaming, moving and filing a thing of the past. Intact SMART™, a simple and fresh new take on feature-rich document management is a powerful easy-to-use solution that turns Sharp OSA-enabled MFPs into the center of productivity for any business. With Intact Books SMART™, the innovative integration with QuickBooks® you will increase productivity, ease-of-use and maintain uncompromising security.

Jamex

Since its inception in 1981, Jamex has consistently delivered high-quality vending solutions for copiers, network printers, and fax machines. Jamex provides software and hardware for self-service copy and print vending in a wide variety of vertical markets. The NetPad™ Touch boasts an array of impressive hardware and software features, making it the easiest, most secure self-service credit card vending solution.

MaxxVault

MaxxVault provides electronic document management solutions to small, medium and large companies in many vertical industries. MaxxVault software provides easy to use and administer document management with diverse capture options, indexing, text and index search, workflow, archiving, version control, auditing and records management. MaxxVault scales as needed from a narrow feature set in a single department to a full enterprise-wide installation. MaxxConnect integrates MaxxVault Enterprise and MaxxDocs with Sharp OSA-enabled MFPs.

MWA Intelligence

MWA Intelligence, Inc. delivers solutions and services around managing companies' employees and assets. The embedded Intelligent Device Management™ (eIDM) solution enables the automation of remote meter reading from all Sharp OSA-enabled devices. MWAi's eIDM solution enables the end-user to walk-up to a Sharp OSA-enabled MFPs and automatically send meter readings for billing CPC usage directly from the MFP LCD panel. The eIDM solution pushes copy/print activity data securely via an encrypted transmission through the MWAi Intelligent Service (IS) server or MWAi DSS server and then directly into the Sharp dealer's ERP system.

= Validated Sharp OSA Integration Module

= Validated Sharp Compatible Product

MXI Security

MXI Security, a division of Memory Experts International Inc., leads the way in providing superior managed portable security solutions designed to meet the highest security and privacy standards. The stealth MXP™ application is a USB powered, secure, multi-functional product with onboard processing for seamless, hardware-based encryption, secure storage and strong authentication. The portable device provides unprecedented security, functionality and flexibility in the management of sensitive corporate information on a portable device as well as protection and assertion of personal and corporate digital identities. Easy-to-use, Stealth MXP protects up to 8GB of data “on the move” with transparent 256-bit AES encryption and strong biometric user authentication to securely protect print and scan data.

NSI

Notable Solutions, Inc. (NSi) is a leading provider of distributed content capture workflow and business automation solutions. NSi’s flagship product, AutoStore™, offers the flexibility to capture and process documents, along with security features that help ensure information accuracy and accountability while increasing staff productivity. With one-touch you can scan, index and send your documents from any Sharp OSA-enabled MFP to virtually any destination, including desktop PCs, database, E-mail, network folder and more.

Nuance

Nuance is a leading provider of speech and imaging solutions. SimplifyScan allows you to easily integrate scanned documents into your business processes. Capture documents and store them directly in an application, whether this is a Windows environment or any other CRM, DMS, ERP, legal or financial application. All scanned documents are text searchable and easy to retrieve. Equitrac® is a print management and cost recovery solution. The Equitrac Embedded option for Equitrac Express® or Equitrac Office® provide convenient, simple, and secure cost management at the Sharp OSA-enabled MFP. When deployed in conjunction with a Sharp OSA-enabled MFP, Equitrac Embedded replaces the Equitrac Page Counter terminal and allows full cost management for copies, scans and faxes from the MFP's LCD control panel of your.

Omtool

Founded in 1991, Omtool is a leading provider of document capture and handling solutions that help control the enterprise document lifecycle. Omtool’s AccuRoute® Embedded Device Client is a document handling platform that streamlines the capture, conversion, communication, and archiving of paper and electronic documents for organizations of all sizes. AccuRoute provides users with the ability to capture both electronic and paper documents and store them in the preferred destination.

= Validated Sharp OSA Integration Module = Validated Sharp Compatible Product

Open Text

As a recognized market leader in the area of Enterprise Content Management (ECM) solutions, Open Text provides an easy and economical way for organizations of all sizes to integrate fax into desktop, E-mail and back-end applications. Open Text Fax Appliance, FaxPress Edition offers organizations virtually every possible computer-based, network fax option: desktop PC faxing, production faxing, fax and E-mail integration, workflow application integration, as well as tools for developing custom fax applications.

Papercut

PaperCut Software is an Australian company that developed PaperCut MF, the low cost software solution that enables the control and management of printers and multifunctional devices. PaperCut MF is primarily used to manage print and copy access, implement quotas, charge per page and account by user, department or client via silent tracking or enforced selection. The application is used across all markets: education and small, medium or enterprise businesses ranging from one to many hundreds of thousands of users.

Pharos Systems

Pharos Systems provides powerful and innovative print management software and services to corporations, educational institutions, and libraries across the globe. Pharos iMFP Print Management Software helps protect Sharp OSA-enabled MFPs from unauthorized use, requiring users to authenticate themselves by swiping their ID card before utilizing the device. iMFPwith Uniprint® allows educational institutions to monitor and track network printing, recover costs through student pay-for-print/copy, and assign faculty and administration printing costs. iMFP with Blueprint® Enterprise tracks all printing and copying down to the user level, providing a complete and accurate picture of how much is being output, by whom, on what device, and at what cost.

PCounter

Created in 1993, Pcounter is a division of A.N.D. Technologies, a pioneer in innovative print management software. Pcounter is a popular and competitively priced application used worldwide for print/copy tracking and management most often in education and other vertical business markets to track usage on printers of all shapes and sizes. Sharp OSA technology helps extend the functionality of Pcounter to include tracking of all walkup activity (copy/fax/scan) on Sharp OSA-enabled MFPs. It also provides authentication services both card-based and data input via the LCD touch screen.

Print Audit

Print Audit is a print management company that develops print tracking software and hardware solutions that enable organizations to analyze, reduce and recover their printing and photocopying costs. Print Audit Embedded for Print Audit 5 integrates directly with the touch screen on compatible Sharp OSA-enabled MFPs allowing users to track walk-up copying, scanning, faxing, and server printing with the Print Audit 5 database. Users authenticate through the Sharp MFP LCD panel to access device features. All document details and costs are tracked along with the username and/or validated billing information.

= Validated Sharp OSA Integration Module

= Validated Sharp Compatible Product

PrintFleet

Founded in 2003, PrintFleet Inc. provides print management and assessment software along with a host of training, business development, and support programs for dealers and distributors in the imaging and managed print services industries. PrintFleet Enterprise DCA (Data Collector Agent) software application is installed on a non-dedicated server at the client location. The DCA collects critical printing device data on a predetermined basis and sends the information to the dealer's centralized database. Users can log into the dealer's custom PrintFleet web interface to view and analyze the data, or set up automated service alerts, reports, maintenance flags, and meter exports.

PrintNet Solutions

PrintNet Solutions is the creator of the CopyNet web portal utility designed for Sharp OSA-enabled MFPs. CopyNet provides machine owners with both an external Internet and Extranet portal that their customers may use to submit print jobs to Sharp OSA-enabled MFPs. The portal has a built-in PDF converter that converts over 300 file formats from their native data to PDFs. This enables MFPs to print these files automatically, eliminating the need for machine owners to have the authoring software or any plug-ins and printer description files.

Prism Software

Prism Software provides a complete suite of industry-leading software applications for the MFP and printer markets. The DocRecord application is an advanced and powerfully featured, low cost document management system for all types of organizations. DocRecord provides both local and web-based document search and retrieval. Features include: E-mail retention, Microsoft® Office® integration, OCR, batch scanning, full text search, advanced search functions, viewing of over 300 file types in their native formats, automated document filing and indexing, audit trails, check-in and check-out, Bates stamping, versioning, roll-back, high security and much more.

Protected Trust

Protected Trust is a suite of products and services intentionally developed to keep digital information assets secure, private, and compliant. Protected Trust provides a holistic approach to secure communications, designed to engender a valuable level of trust within and between business partners using Cloud based managed services to mitigate risk of data breach and misuse. The 100% browser-based Archive Studio document management software for Sharp MFP users enables secure document warehousing and sharing with remote access to organizations that have a need to share documents among multiple offices, other companies or the public.

= Validated Sharp OSA Integration Module

= Validated Sharp Compatible Product

RF Ideas

RF IDeas designs, develops, and manufactures proximity and contactless reader solutions that expand building access cards to hundreds of applications. For multifunction printers, the devices blend the need for security and convenience by utilizing the existing employee ID badge as authentication and to eliminate the need to type or key entry. AIR ID® Enroll is a USB reader that enables the use of common contactless smartcard badges for secure printing. pcProx® is a USB reader that enables the use of common proximity badges for secure printing. pcSwipe® is a USB reader that enables the use of common magnetic stripe badges for authentication and secure printing. pcProx Plus Enroll is USB reader for both 125kHz and 13.56MHz frequencies.

Ringdale

Ringdale is the global provider of FollowMe®, the document output management solution, which provides unrivalled flexibility for organizations looking to reduce costs, increase security and improve the efficiency of their printing environments. FollowMe ensures usability and adaptability within diverse printing environments, supporting both host and office printing. Ringdale invented FollowMe and the print roaming technology in 1997, and has continued to bring customer focused solutions to market worldwide. www.followme.ringdale.com

RSA

Since 1986, RSA has focused exclusively on solving printing challenges for customers by delivering software solutions that make printing documents convenient, simple, accurate, and cost-effective. WebCRD™ is an enterprise-class, award-winning Web-based ordering, production management and cost tracking application that automates job submission to the print center. With RDOPrint™, you can leverage your investment in documents created by Xerox® FreeFlow Makeready and DigiPath. RDOPrint converts the proprietary Xerox® RDO (Raster Document Objects) files to PostScript so they can be printed on Sharp MFPs or converted to Adobe® PDF for convenient viewing, sharing, and archival.

Sepialine

Founded in 1998, Sepialine delivers products and services to capture, analyze and report business expenses—print, copy, scan, fax, phone and more—across multiple platforms, devices and sources. Sepialine's award-winning Argos Cost Recovery System is used by leading corporate and service professionals, including graphics, advertising, legal, architecture, engineering and reprographic companies, around the world. Argos OnBoard for Sharp OSA-enabled MFPs provides print, copy and scan tracking capabilities as well as Sepialine's innovative workflow that routes unbilled expense activity to each user's desktop for allocation.

= Validated Sharp OSA Integration Module

= Validated Sharp Compatible Product

Solgenia

Solgenia, publisher of FACSys®, has advanced fax messaging into an indispensable business tool that fully integrates into critical areas requiring communication capabilities. The FACSys Connector for Sharp OSA-enabled MFPs fully integrates with Sharp MFPs, permitting users to send and retrieve FACSys fax messages directly from the LCD touch-screen interface. The “QuickFax” feature enables users to send faxes from their Sharp MFP without having to login to the FACSys server. All messages continue to be sent by the fax server and are accessible for audit purposes.

Square 9 Softworks

Square 9 Softworks is a leading developer of innovative, business-centric software solutions including the award-winning SmartSearch® Document Management Suite. Dedicated to making document management available to organizations of all sizes, Square 9 Softworks designs solutions built on open architecture and cutting-edge technologies that drive efficiency and productivity across all business applications. SmartSearch Office Workflow and the powerful line of Sharp OSA-enabled multifunction products (MFPs) can help evolve your office with the introduction of effortless document management. Through direct integration with your Sharp MFP you can easily scan, distribute and store all your documents in a centralized repository.

The Network Place

The Network Place, LLC is the creator of DocPlace™ - one of the most sophisticated document management systems available on the market today. The DocPlace S-MFP Client exposes a subset of DocPlace functionalities allowing users to scan, search and edit documents directly at the LCD panel of the supported Sharp OSA-enabled MFPs. Three editions of DocPlace (Enterprise, Standard and Express) give the flexibility to choose the most affordable solution that best suits business needs from various customer segments.

Webiplex

Webiplex is the maker of DocuPeak®, a cloud-based or on-premise document and business process management solution. Founded in 2006 by document management software industry veterans, Webiplex represents the "clean slate" next generation in document management solutions – moving beyond traditional document management software, and creating partner relationships to usher in the future. The DocuPeak Connector developed with Sharp OSA v3.0 technology brings the power of DocuPeak business processes to the Sharp MFP. With the connector, any compatible Sharp OSA-enabled MFP can act as the starting point of a process by indexing scanned documents on the MFP itself, and incorporating them into any DocuPeak workflow.

= Validated Sharp OSA Integration Module = Validated Sharp Compatible Product

X-Rite

X-Rite is the global leader in color science and technology. The company, which now includes design industry color leader Pantone, Inc., develops, manufactures, markets and supports innovative color management solutions including measurement systems, software, color standards and services. ColorMunki Design is an all in one profiling solution combining hardware and software that allows you to work with any color from the visible spectrum. Select PANTONE® colors or capture colors from just about any substrate, plus preview out-of-gamut colors. Essential color control functions for calibrating displays, projectors and printers all in one device.

Y Soft

Founded in 2000, Y Soft is a progressive, globally operating company that provides print management solutions that enable companies and organizations of all sizes to control reprographic costs and reduce waste. YSoft SafeQ® is an authentication, accounting and access control solution that helps organizations simplify and secure scanning, copying and printing and enforce policies for use of printers and multifunction devices.

= Validated Sharp OSA Integration Module

= Validated Sharp Compatible Product

DIVERSE TECHNOLOGY FOR DIVERSE BUSINESS NEEDS

In addition to our cutting-edge document products, Sharp offers an array of products to address your diverse business needs, including professional displays, interactive touch-screen displays, digital signage solutions, video wall systems and professional projectors.

Interactive Displays Provide a Personal Touch

Sharp has taken the LED display to a new level by combining a high sensitivity touch screen and original user-intuitive pen software. The Sharp AQUOS BOARD™ Interactive Display System is ideal for meetings, video conferencing, presentations, training and classroom instruction, and anywhere interactive communication is key. The result is minimum effort and maximum work efficiency with the Sharp AQUOS BOARD Interactive Display System.

Digital Signage Gets The Message Out

Sharp is a market leader in large format commercial displays and offers a complete line of professional displays ranging from 42" (diagonal) all the way up to our spectacular 90" class models. These displays are built and engineered for business, providing up to 24x7 continuous operation and all backed by the Sharp 3-Year limited warranty. They are ideal for communicating your message in corporate campuses, education, healthcare, and hospitality environments.

Make a Strong Impact with Video Wall Systems

With businesses everywhere vying for attention, making a big impact is critical to success. Nothing does that bigger or better than a digital signage solution made up of multiple Sharp Ultra-Slim Bezel Professional Displays. The nearly seamless display of targeted content on large video walls provides a powerful communicative punch that immediately attracts more eyes and holds more attention.

AQUOS BOARD
Interactive Display System

Professional Displays

Projectors

Video Walls

PRINT AND NETWORK COMPATIBILITY (MONOCHROME)

	MX-B201D	MX-M232D	MX-M264N/ M314N/ M354N	MX-B402/ B402SC	MX-M283/ M363/M453/ M503	MX-M364N/ M464N/M564N	MX-M365/ M465N/M565N	MX-M623/ M753	MX-M904/ M1054/ M1204
General MFP Features/Functions									
Speed	20 ppm	23 ppm	26/31/35 ppm	40 ppm	28/36/45/50 ppm	36/46/56 ppm	36/46/56 ppm	62/75 ppm	90/105/120 ppm
Function	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F
Maximum Paper Size	Legal	Ledger	12" x 18"	Legal	12" x 18"	12" x 18"	12" x 18"	12" x 18"	12" x 18"
On-Screen Image Preview	—	—	Avail	Avail	Avail	Std	Std	Std	Std
Network Scanning	Std	Avail	Std	Std	Std	Std	Std	Std	Std
Super G3 Facsimile	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail
Hard Disk Drive	—	—	Avail	Std	Std	Std	Std	Std	Std
Remote Front Panel	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Retractable Keyboard	—	—	Avail	STF (B402SC)	Std	Avail	Std	Avail	Std
Sharp OSA® Platform Version	—	—	V3.5	V3.5	V3.5	V4.5 Lite	V4.5	V3.5	V4.5
Network and Print Support									
Wireless LAN	—	—	—	—	—	Avail	Yes	—	—
AirPrint	—	—	—	—	—	Yes	Yes	—	—
Sharpdesk Mobile Compatibility	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gigabit Ethernet	—	Avail	Avail	Std	Std	Std	Std	Avail	Std
IPv6	—	—	Avail	Std	Std	Std	Std	Avail	Avail
PostScript® Support	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Avail	Std
XPS® Printing / Scanning	—	—	Avail	Avail	Avail	Avail	Avail	Avail	Avail
USB Printing	Avail	Std	Std	Std	Std	Std	Std	Std	Std
Compact PDF	—	—	Avail	—	Avail	—	Std	Avail	Avail
OS / Application Support									
Windows® 7/ Vista/ XP/ 2003 / 2008 / 2008R2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows® 8 / 8.1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 2012 / R2 Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp Universal Driver (for Windows)	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAC® OS 10.2-10.8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAC OS 10.9	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Linux®	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Types for SAP	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Citrix®									
Citrix XenApp 6.5	Not Tested	Not Tested	Validated	Not Tested	Not Tested	Validated	Validated	Not Tested	Validated
Citrix XenApp 6.0	—	—	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Citrix XenApp 5.0	—	—	Validated	Validated	Validated	Validated	Validated	Validated	Validated
Citrix Presentation Server 4.5	—	—	Validated	Validated	Validated	Not Tested	Not Tested	Validated	Validated (32bit)
HP®									
HP Output Server	—	—	—	—	Certified	—	—	—	—
Healthcare Environment									
McKessen® Star® Suite	—	—	Compatible	Compatible	Compatible	In Evaluation	—	Compatible	—
Cerner® Millennium	—	—	In Evaluation	Certified	Certified	—	—	Certified	—
Epic*	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
Meditech® Magic OS**	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible

Certain features and functions may require options.

* Each Epic customer will have an employee trained as the Epic Technical Advisor. The Technical Advisor will approve print output device placements.

** Sharp MFPs that support PCL5. PCL 5C or PCL 5e are compatible with MEDITECH Magic OS.

PRINT AND NETWORK COMPATIBILITY (COLOR)

	MX-C300PL/ C300P	MX-C250/ C300W	MX-2616N/ 3116N	MX-2615N/ 3115N	MX-2640N/ 3140N/ 3640N	MX-C312/ C402SC	MX-4140N/ 4141N/ 5140N/ 5141N	MX-6240N/ 7040N	MX-6500N MX-7500N (Without Fiery Option
General MFP Features/Functions									
Speed	30/30 ppm	25/30 ppm	26/31 ppm	26/31 ppm	26/31/36 ppm	31 ppm (C312) 40 ppm (C402SC)	41/51 ppm	62/70 ppm	65/75 ppm
Function	P	C/P/S (C250) C/P/S/F (C300W)	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S
Maximum Paper Size	Legal	Legal	12" x 18"	12" x 18"	12" x 18"	Legal	Ledger	12" x 18"	12" x 18"
On-Screen Image Preview	—	—	—	Std	Std	Std	—	Std	Std
Network Scanning	—	Std	Std	Std	Std	Std	Std	Std	Std
Super G3 Facsimile	—	Std (C300W)	Std	Std	Std	Std	Std	Std	—
Hard Disk Drive	—	—	Std	Std	Std	Std	Std	Std	Std
Remote Front Panel	—	—	Std	Std	Std	Std	Std	Std	Std
Retractable Keyboard	—	—	Option	Option	Std	Std (C402SC)	Std	Std	Std
Sharp OSA Platform Version	—	—	—	V4.1 Lite/V4.5 Lite	V4.1/V4.5	V3.5	V4.1/V4.5	V4.0/V4.5	V4.1/V4.5
Network and Print Support									
Wireless LAN	Yes (C300P)	Yes (C300W)	—	—	Yes	—	Yes	—	—
AirPrint	—	—	—	—	Yes	—	Yes	—	—
Sharpdesk Mobile Compatibility	Yes (Print Only)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
Gigabit Ethernet	—	—	Std	Std	Std	Std	Std	Std	Std
IPv6	Std	Std	Std	Std	Std	Std	Std	Std	Std
PostScript Support	Std	Std	Avail	Avail	Std	Std	Std	Std	Std
XPS Printing / Scanning	—	—	Avail	Avail	Avail	Avail	Avail	Avail	Avail
USB Printing	Std	Std	Std	Std	Std	Std	Std	Std	Std
Compact PDF	Yes	—	Avail	Avail	Avail	—	Std	vail	Avail
OS / Application Support									
Windows 7/ Vista/ XP/ 2003 / 2008 / 2008R2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 8 / 8.1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows 2012 / R2 Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp Universal Driver (for Windows)	—	Yes	—	Yes	Yes	Yes	Yes	Yes	Yes
MAC OS 10.2-10.8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAC OS 10.9	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Linux	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Types for SAP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Citrix									
Citrix XenApp 6.5	Not Tested	Not Tested	Verified	Verified	Verified	Not Tested	Verified	Verified	Verified
Citrix XenApp 6.0	Not Tested	Not Tested	Verified	Verified	Verified	Verified	Verified	Verified	Verified
Citrix XenApp 5.0	Not Tested	Not Tested	Verified	Verified	Verified	Verified	Verified	Verified	Verified
Citrix Presentation Server 4.5	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Verified	Not Tested	Verified (32 bit)	Verified (32 bit)
HP									
HP Output Server	Not Tested	In Evaluation	—	—	—	—	—	—	—
Healthcare Environment									
McKessen Star Suite	Not Tested	In Evaluation	—	—	Compatible	Compatible (C402SC)	In Evaluation	—	—
Cerner Millennium	Not Tested	In Evaluation	—	—	Certified	Certified (C402SC)	In Evaluation	—	—
Epic*	Compatible	—	—	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
Meditech Magic OS**	Compatible	—	—	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible

Certain features and functions may require options.

* Each Epic customer will have an employee trained as the Epic Technical Advisor. The Technical Advisor will approve print output device placements.

** Sharp MFPs that support PCL5. PCL 5C or PCL 5e are compatible with MEDITECH Magic OS.

DEVICE MANAGEMENT COMPATIBILITY (MONOCHROME)

	MX-B201D	MX-M232D	MX-M264N/ M314N/ M354N	MX-B402 B402SC	MX-M283/ M363/M453/ M503	MX-M364N/ M464N/M564N	MX-M365N/ M465N/M565N	MX-M623/M753	MX-M904/ M1054/ M1204
General MFP Features/Functions									
Speed	20 ppm	23 ppm	26/31/35 ppm	40 ppm	28/36/45/50 ppm	36/46/56 ppm	36/46/56 ppm	62/75 ppm	90/105/120 ppm
Function	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F
Maximum Paper Size	Legal	Ledger	12" x 18"	Legal	12" x 18"	12" x 18"	12" x 18"	12" x 18"	12" x 18"
Sharp Administration Utility									
Printer Status Monitor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp MFP Device Webpage (When DSK is installed, some user features are restricted)									
Device Status	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL Secure Device Home Page Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Address Book (Local)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Address Book (Global)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Features									
Address Book Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Folder setups (Document Filing)	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Destinations	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Tray Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Administrator Features									
Password Protected Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Add Users	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Role (Admin, users, etc.)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User/Group Access Control, Page Limit and Permissions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
System, Network, Security, Application Energy Configuration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E-mail Notification Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Favorite Group Custom Setting	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Energy/Toner Saving Mode	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MFP Home Screen Customization	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB Device Support	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Log	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation Manual Download	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp Remote Device Management Utility (SRDM) (When DSK is installed, some user features are restricted)									
Device Home Page Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print Driver Distribution	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Discovery	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNMP v3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Status	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Meter Counts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Serial Number	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E-mail Alert for Status Changes, Alerts, Warnings and Maintenance Conditions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Toner Level Reporting									
5% Increment	—	—	Yes	—	—	Yes	Yes	—	Yes
25% Increment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote Operation Panel (In Simulation Mode)	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Service Logs (22-6, 23-2)	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Firmware Version	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Firmware Updates	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Storage Backup	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Cloning	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Certain features and functions may require options.

DEVICE MANAGEMENT COMPATIBILITY (COLOR)

	MX-C300PL/ C300P	MX-C250/ C300W	MX-2616N/ 3116N	MX-2615N/ 3115N	MX-2610N/ 3110N/ 3610N	MX-2640N/ 3140N/ 3640N	MX-C312/ C402SC	MX-4140N/ 4141N/ 5140N/ 5141N	MX-4110N/ 4111N/ 5110N/ 5111N	MX-6240N/ 7040N	MX-6500N MX-7500N (Without Fiery Option)
General MFP Features/Functions											
Speed	30/30 ppm	25/30 ppm	26/31 ppm	26/31 ppm	26/31/36 ppm	26/31/36 ppm 40 ppm (C402SC)	31 ppm (C312)	41/51 ppm	41/51 ppm	62/70 ppm	65/75 ppm
Function	P	C/P/S (C250) C/P/S/F (C300W)	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S/F	C/P/S
Maximum Paper Size	Legal	Legal	12" x 18"	12" x 18"	12" x 18"	12" x 18"	Legal	12" x 18"	12" x 18"	12" x 18"	12" x 18"
Sharp Administration Utility											
Printer Status Monitor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp MFP Device Webpage (When DSK is installed, some user features are restricted)											
Device Status	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL Secure Device Home Page Access	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Address Book (Local)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Address Book (Global)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Features											
Address Book Access	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Folder Setups (Document Filing)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Destinations	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Paper Tray Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Administrator Features											
Password Protected Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Add Users	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Role (Admin, Users, etc.)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User/Group Access Control, Page Limit and Permissions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
System, Network, Security, Application Energy Configuration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E-mail Notification Setting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Favorite Group Custom Setting	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Energy/Toner Saving Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MFP Home Screen Customization	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB Device Support	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Log	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operation Manual Download	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp Remote Device Management Utility (SRDM) (When DSK is installed, some user features are restricted)											
Device Home Page Access		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Print Driver Distribution	Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Discovery		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNMP v3	Fall	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Status		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Meter Counts	2014	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Device Serial Number		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E-mail Alert for Status Changes, Alerts, Warnings and Maintenance Conditions		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Toner Level Reporting											
5% Increment		Yes	Yes	—	Yes	Yes	—	Yes	Yes	Yes	Yes
25% Increment	Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote Operation Panel (in simulation mode)		—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Service Logs (22-6, 23-2)	Fall	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Firmware Version		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Firmware Updates	2014	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Storage Backup		—	Yes	Yes	Yes	Yes	—	Yes	Yes	—	Yes
Device Cloning		—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Certain features and functions may require options.

SECURITY FEATURE COMPATIBILITY (MONOCHROME)

	MX-B201D	MX-M232D	MX-M264N/ M314N/ M354N	MX-B402/ B402SC	MX-M283/ M363/M453/ M503	MX-364N/ M464N/M564N	MX-365N/ M465N/M565N	MX-M623/M753	MX-M904/ M1054/ M1204
General MFP Features/Functions									
Speed	20 ppm	23 ppm	26/31/35 ppm	40 ppm	28/36/45/50 ppm	36/46/56 ppm	36/46/56 ppm	62/75 ppm	90/105/120 ppm
Hard Disk Drive	—	—	Avail	Yes	Yes	Yes	Yes	Yes	Yes
Data Secuirty Kit (DSK) & Common Criteria Certification			****		****				
Commercial DSK (Optional)	—	—	MX-FR37U	MX-FR26U (B402) MX-FR27U (B402SC)	MX-FR23U	MX-FR45U	MX-FR44U	MX-FR22U	MX-FR38U
Common Criteria DSK (Optional)	—	—	MX-FR37	—	MX-FR14	—	—	MX-FR22	—
EAL Validation Levell	—	—	EAL3	—	EAL3	—	—	EAL3	—
Data and Information Security									
Data Overwrite (Auto)	—	—	Std	DSK Feature	DSK Feature	Std	Std	DSK Feature	Std
Data Overwrite (Manual)	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Data Overwite at Power-up	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Up to 7 times Overwrite	—	—	Std with opt. HDD	DSK Feature	DSK Feature	Std	Std	DSK Feature	Std
256 bit Data Encryption	—	—	Std with opt. HDD	Std	Std	Std	Std	Std	Std
End-of-Lease Erase	—	—	Std	—	—	Std	Std	—	Std
Access Control Security									
User Authentication (Local Address Book)	Per account code	Per account code	Std	Std	Std	Std	Std	Std	Std
User Authentication (LDAP/AD)	—	—	Std	Std	Std	Std	Std	Std	Std
Group Authorization	—	Per account code, Copy/Print	Std	Std	Std	Std	Std	Std	Std
Page Limit Control	—	Per account code, Copy/Print	Std	Std	Std	Std	Std	Std	Std
Secured Access to Device Home Page	Std with opt. NW Kit	Std with opt. NW Kit	Std	Std	Std	Std	Std	Std	Std
Password Management	Std with opt. NW Kit	Std with opt. NW Kit	Std with opt. HDD	Std	Std	Std	Std	Std	Std
User Authority Setting	Std. Fixed setting	Std. Fixed setting	Std	Std	Std	Std	Std	—	Std
Restrict List Printing	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Scan-to-Home	—	—	—	—	—	—	Std	—	—
Scan-to-Me	—	—	—	—	—	Std	Std	—	Std
Disable Destination Method Selection	—	—	Std	Std	Std	Std	Std	Std	Std
Disable Address Book Registration	—	—	Std	Std	Std	Std	Std	Std	Std
Receipt Rejection from Specified User(s)	—	—	Std	Std	Std	Std	Std	Std	Std
Lock Users After 3 Tries	—	—	Std	Std	Std	Std	Std	Std	Std
USB Card Reader Support	—	—	Std	Std	Std	Std	Std	Std	Std
CAC/PIV Authentication (Optional)									
Embedded Solution (MX-EC50)*	—	—	—	—	Yes	—	Yes	Yes	—
Print Retention (MX-EC50)	—	—	—	—	Yes	—	Yes	Yes	—
Scan-to-Self and Site (MX-EC50)	—	—	—	—	Yes	—	Yes	Yes	—
External Solution (DCL310S)*****	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E-mail Encryption (Both)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digitally Signed E-mail (Both)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Network Security									
SSL/TSL Encryption	—	HTTPS/SMTP/POP3/LDAP	Std	Std	Std	Std	Std	Std	Std
Security Policy Management	Std. Fixed setting	Std. Fixed setting	Std	Std	Std	Std	Std	Std	Std
SNMPv3 Support	—	—	Std	Std	Std	Std	Std	Std	Std
Kerberos	—	Std with opt. NW Kit	Std	Std	Std	Std	Std	Std	Std
SNMP Communicty String Support	—	—	Std	—	—	Std	Std	—	Std
IPv6 and IPSec	—	—	Std	Std	Std	Std	Std	Std	Std
Device Certificates	—	Std with opt. NW Kit	Std	Std	Std	Std	Std	Std	Std
IP Address Filtering	Std with opt. NW Kit	Std with opt. NW Kit	Std	Std	Std	Std	Std	Std	Std
MAC Address Filtering	Std with opt. NW Kit	Std with opt. NW Kit	Std	Std	Std	Std	Std	Std	Std
Port Control (Disable/Enable ports)	Std with opt. NW Kit	Std with opt. NW Kit	Std	Std	Std	Std	Std	Std	Std
Admin Password Protection**	—	—	Std	Std	DSK Feature	Std	Std	Std	Std
IEEE 802.1X Support	—	—	Std	Std	Std	Std	Std	Std	Std
Fax Security (Fax Option May Required)									
Separation Between Fax and Network	Std	Std	Std	Std	Std	Std	Std	Std	Std
Confidential Fax	—	Std	Std	Std	Std	Std	Std	Std	Std
Filter Junk Fax	Std	Std	Std	Std	Std	Std	Std	Std	Std
Document Security									
Job Status Display Only Logged On User	—	—	—	—	—	Std	Std	—	Std
Secure Pull Print FTP/SMB	—	—	—	—	—	Std	Std	—	Std
Secure Print Release with a PIN Number	—	—	Std with opt. HDD	Std	Std****	Std	Std	Std	Std
Encrypted PDF Transmission	—	—	Std	Std	Std	Std	Std	Std	Std
Encrypted PDF Direct Printing	—	—	Std w/ opt. PS3 Kit ****	Std	Std w/ opt. PS3 Kit ****	Std w/ opt. PS3 Kit	Std	Std w/ opt. PS3 Kit	Std
Hiden Secuirty Pattern Print	—	—	—	DSK Feature	DSK Feature***	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Hiden Secuirty Pattern Detection	—	—	DSK Feature	DSK Feature	DSK Feature***	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Audit Trail Security									
Job Log and Usage Tracking	—	—	Std with opt. HDD	Std	Std****	DSK Feature	DSK Feature	Std	Std

Certain features and functions may require options.

* MX-EC50 requires Commercial DSK.

** Admin password can be protected when a Sharp MFP is accessed from FTP, preventing password leakage.

*** Supported only on "N" models.

**** Require optional HDD when it is not equipped.

***** DCL310S supports FIPS 140-2 certified CAC encryption (E-mail & Communication)

SECURITY FEATURE COMPATIBILITY (COLOR)

	MX-C300PL/ C300P	MX-C250/ 300W	MX-2615N/ 3115N/ 2616N/ 3116N	MX-2640N/ 3140N/ 3640N	MX-C312/ C402SC	MX-4140N/ 4141N/ 5140N/ 5141N	MX-6240N/ 7040N	MX-6500N/ 7500N
General MFP Features/Functions								
Speed	30/30 ppm	25/30 ppm	26/31 ppm	26/31/36 ppm	31 ppm	41/51 ppm	62/70 ppm	65//75 ppm
Hard Disk Drive	—	—	Std	Std	Std	Std	Std	Std
Data Secuirty Kit (DSK) & Common Criteria Certification								
Commercial DSK (Optional)	—	—	MX-FR40U	MX-FR41U	MX-FR29U (C312) MX-FR28U (C402SC)	MX-FR42U	MX-FR36U	MX-FR43U
Common Criteria DSK (Optional)	—	—	—	TBD	—	—	—	—
EAL Validation Level	—	—	—	TBD	—	—	—	—
Data and Information Security								
Data Overwrite (Auto)	—	—	Std	Std	Std	Std	Std	Std
Data Overwrite (Manual)	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Data Overwite at Power-up	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Up to 7 Times Overwrite	—	—	Std	Std	Std	Std	Std	Std
256 bit Data Encryption	—	—	Std	Std	Std	Std	Std	Std
End-of-Lease Erase	—	—	Std	Std	—	Std	Std	Std
Access Control Security								
User Authentication (Local Address Book)	Std	Std	Std	Std	Std	Std	Std	Std
User Authentication (LDAP/AD)	—	Std	Std	Std	Std	Std	Std	Std
Group Authorization	—	—	Std	Std	Std	Std	Std	Std
Page Limit Control	Std	Std	Std	Std	Std	Std	Std	Std
Secured Access to Device Home Page	—	—	Std	Std	Std	Std	Std	Std
Password Management	—	—	Std	Std	Std	Std	Std	Std
User Authority Setting	—	—	Std	Std	Std	Std	Std	Std
Restrict List Printing	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Scan-to-Home	—	—	—	Std	—	Std	—	—
Scan-to-Me	—	—	Std	Std	—	Std	Std	Std
Disable Destination Method Selection	—	—	Std	Std	Std	Std	Std	Std
Disable Address Book Registration	—	—	Std	Std	Std	Std	Std	Std
Receipt Rejection from Specified User(s)	—	Std	Std	Std	Std	Std	Std	Std
LockUsers After 3 Tries	—	—	Std	Std	DSK Feature (C312) Std (C402SC)	Std	Std	Std
USB Card Reader Support	—	—	Std	Std	Std	Std	Std	Std
CAC/PIV Authentication (Optional)								
Embedded Solution (MX-EC50)*	—	—	—	Yes	—	Yes	Yes	Yes
Print Retention (MX-EC50)	—	—	—	Yes	—	Yes	Yes	Yes
Scan-to-Self and Site (MX-EC50)	—	—	—	Yes	—	Yes	Yes	Yes
External Solution (DCL310S)***	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
E-mail Encryption (Both)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digitally Signed E-mail (Both)	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Network Security								
SSL/TSL Encryption	HTTPS Client Only	HTTP Client Only	Yes	Std	Std	Std	Std	Std
Security Policy Management	—	Yes	Std	Std	Std	Std	Std	Std
SNMPv3 Support	—	—	Std	Std	Std	Std	Std	Std
Kerberos	—	Yes	Std	Std	Std	Std	Std	Std
SNMP Communicty String Support	—	Yes	Std	Std	—	Std	Std	Std
IPv6 and IPSec	Yes	Yes	Std	Std	Std	Std	Std	Std
Device Certificates	Yes	Yes	Std	Std	Std	Std	Std	Std
IP Address Filtering	Yes	Yes	Std	Std	Std	Std	Std	Std
MAC Address Filtering	Yes	Yes	Std	Std	Std	Std	Std	Std
Port Control (Disable/Enable ports)	Yes	Yes	Std	Std	Std	Std	Std	Std
Admin Password Protection**	—	Yes	Std	Std	Std	Std	—	—
IEEE 802.1X Support	—	—	Std	Std	Std	Std	Std	Std
Fax Security (Fax Option May Required)								
Separation Between Fax and Network	—	Yes	Std	Std	Std	Std	Std	Std
Confidential Fax	—	Yes	Std	Std	Std	Std	Std	Std
Filter Junk Fax	—	Yes	Std	Std	Std	Std	Std	Std
Document Security								
Job Status Display Only Logged on User	—	—	—	Std	—	Std	DSK Feature	DSK Feature
Secure Pull Print FTP/SMB	—	—	—	Std	—	Std	—	—
Secure Print Release with a PIN Number	—	Std	Std	Std	Std	Std	Std	Std
Encrypted PDF Transmission	—	—	Std	Std	Std	Std	Std	Std
Encrypted PDF Direct Printing	Std****	Std***	Std w/ opt. PS3 Kit	Std	Std	Std	Std	Std
Hiden Secuirty Pattern Print	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Hiden Secuirty Pattern Detection	—	—	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature	DSK Feature
Audit Trail Security								
Job Log and Usage Tracking	—	Std	Std	Std	Std	Std	Std	Std

Certain features and functions may require options.

* MX-EC50 requires Commercial DSK.

** Admin password can be protected when a Sharp MFP is accessed from FTP, preventing password leakage.

*** DCL310S supports FIPS 140-2 certified CAC encryption (E-mail & Communication).

**** Supports files without a password.

SHARP OSA TECHNOLOGY AND APPLICATION COMPATIBILITY (MONOCHROME)

	MX-B402/ B402SC	MX-M264N/ M314N/M354N	MX-M283N/ M363N/M453N/ M503N	MX-M364N/ M464N/M564N	MX-M365N/ M465N/M565N	MX-M623N/ M753N	MX-M904/ M1054/M1204
General MFP Features/Functions							
Speed (PPM)	40 ppm	26/31/35 ppm	28/36/45/50 ppm	36/46/56 ppm	36/46/56 ppm	62/75 ppm	90/105/120 ppm
LCD Display	8.5" Touchscreen Color	7.0" Touchscreen Color	8.5" Touchscreen Color	7.0" Touchscreen Color	10.1" Touchscreen Color	8.5" Touchscreen Color	10.1" Touchscreen Color
Screen Formats	W-VGA	W-VGA	W-VGA / H-VGA	W-SVGA	W-SVGA	W-VGA	Wide-SVGA
Latest Sharp OSA Platform Version	V3.5	V3.5	V3.5	V4.5 Lite	V4.5	V3.5	V4.5
SHARP OSA TECHNOLOGY SUPPORT							
General Features for Sharp OSA Applications							
Custom User Interface - HTML Browser-based	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Custom User Interface - Forms-based	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp OSA Trial Mode	Yes	Yes	Yes	Yes	Yes	—	Yes
Extended SDK (ACM)	—	—	—	Yes	Yes	—	Yes
Single Sign On to Applications	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single Sign On to MFP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Communication Module (ACM) MX-AMX2	**Standard (B402SC)**	**Option**	**Standard**	**Option**	**Standard**	**Standard**	**Standard**
Scan API	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Image Preview	—	—	—	—	Yes	—	Yes
Supported Protocols for Scan File Transfer	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S
Print API*	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy API, Fax, Document Filing API*	—	—	—	Yes	Yes	—	Yes
Copy/Fax/Doc Filing Image Preview*	—	—	—	—	Yes	—	Yes
Access Card Support	—	—	—	Yes	Yes	—	Yes
External Accounting Module (EAM) MX-AMX3	**Standard (B402SC)**	**Option**	**Option**	**Option**	**Standard**	**Standard**	**Option**
Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Track total pages for copy, print, scan and fax jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Track pages by page size and color for all jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Access Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Limit number of pages per user	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offline Mode	—	—	—	Yes	Yes	—	Yes
Access Card Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Compatibility							
Clolud Portal Office Connector	—	—	—	—	Yes	—	Yes
Sharp OSA Network Scanner Tool (NST)	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Certain features and functions may require options.

* Available on Extended SDK.

SHARP OSA TECHNOLOGY AND APPLICATION COMPATIBILITY (COLOR)

	MX-C312/ C402SC	MX-C400P	MX-2615N/ 3115N	MX-2610N/ 3110N/3610N	MX-2640N/ 3140N/3640N	MX-4140N/ 4141N/5140N/ 5141N	MX-4110N/ 4111N/5110N/ 5111N	MX-6240N/ 7040N	MX-6500N/ 7500N
General MFP Features/Functions									
Speed (PPM)	31 ppm	40 ppm	26/31 ppm	26/31/36 ppm	26/31/36 ppm	41/41/51/51 ppm	41/41/51/51 ppm	62/70 ppm	65/75 ppm
LCD Display	8.5" Touchscreen Color	4.3" LCD Color	7" Touchscreen Color	10.1" Touchscreen Color	10.1" Touchscreen Color	10.1" Touchscreen Color	10.1" Touchscreen Color	10.1" Touchscreen Color	15.4" Touchscreen Color
Screen Formats	W-VGA	480 x 272	Wide-VGA	Wide-SVGA	Wide-SVGA	Wide-SVGA	Wide-SVGA	Wide-SVGA	Wide-XGA
Latest Sharp OSA Platform Version	V3.5	V3.5	V4.5 Lite	V4.0	V4.5	V4.5	V4.0	V4.5	V4.5
SHARP OSA TECHNOLOGY SUPPORT									
General Features for Sharp OSA Applications (ACM or EAM)									
Custom User Interface - HTML Browser-based	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Custom User Interface - Forms-based	Yes	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp OSA Trial Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Extended SDK (ACM)	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Extended SDK (EAM)	—	—	Yes	—	Yes	Yes	—	—	Yes
Single Sign On to Applications	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single Sign On to MFP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Communication Module (ACM) MX-AMX2	**Standard on MX-C402SC**	**Standard**	**Option**	**Standard on MX-3610N**	**Standard**	**Standard**	**Standard on MX-5111N**	**Standard**	**Standard**
Scan API	Yes	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Image Preview	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Print API	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy API, Fax, Document Filing API*	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Except Fax)
Copy/Fax/Doc Filing Image Preview*	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes (Except Fax)
Access Card Support	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
External Accounting Module (EAM) MX-AMX3	**Standard (C402SC)**	**Standard**	**Option**	**Option**	**Standard**	**Standard**	**Option**	**Option**	**Standard**
Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Track Total Pages for Copy, Print, Scan and Fax Jobs	Yes	Print only	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Except Fax)
Track Pages by Page Size and Color for all Jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Access Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Limit Number of Pages Per User	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offline Mode	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Access Card Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Compatibility									
Cloud Portal Office Connector	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Sharp OSA Network Scanner Tool (NST)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Certain features and functions may require options.

* Availableon Extended SDK.

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